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JP10151104A2: FLUORESCENT ENDOSCOPE DEVICE

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Kind:
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Application **JP1996000313876**
Number:
IPC Class: **A61B 1/00;**

Abstract: **Problem to be solved:** To provide a fluorescent endoscope device capable of keeping bright observation environment at the time of observation under fluorescence, and observing an object at large depth during observation under ordinary light.
Solution: The light of a lamp 10 is introduced to the light guide buffer 8 of an electronic endoscope 2A through a band-pass limiting rotary filter 11, an RGB rotary filter 13 and the like, and then irradiated to a specimen 19 having a fluorescent material administered. Reflected light and fluorescence thereby generated are received by a CCD 21 via an objective lens 20 and a filter diaphragm 22 or the like laid along the optical path thereof. The filter diaphragm 22 has a characteristic, so that only the center small opening thereof becomes a light transmission zone for visible rays, and both of the opening and a ring type opening at the outside thereof become a light transmission zone for fluorescence. In addition, the image of an object at large depth is available with an incident light quantity reduced during ordinary observation under visible rays, while a bright image is available without much reduction of an incident light quantity during observation under fluorescence.
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Other Abstract info: DERABS G98-380097 DERG98-380097
Foreign (No patents reference this one)
References:

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